

DATA SHEET

ESPRIMO C5730 E-Star 5.0

The ultra small PC

Issue: October 2009

ESPRIMO C5730 E-Star 5.0

The ESPRIMO C ultra small form factor PC: Enjoy maximum desktop performance and benefit from the compact design for those offices with limited space. Comfortable working - ergonomic, quiet and reliable. The sophisticated design of the ESPRIMO C provides simple and secure administration and, as a result of our made4you concept, can be easily adapted to specific customer requirements. Environmental compatibility was considered and optimized in the product development phase. This ensures that the ESPRIMO C today already meets the environmental protection requirements of tomorrow.



Compact design

Top quality PC for office environments with little space; also useable as a thin client.

- Ultra small form factor PC, power supply, legacy interfaces and powered serial ports integrated with a volume of only 6.9 liters

Small but expandable

Optimal expandability despite low volume.

- Up to 500 GB hard drive and PCI Low Profile Slot

Energy-saving

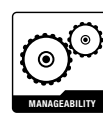
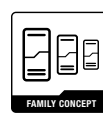
Reduced power costs and consumption without any loss in performance.

- Energy-saving processor technology and power supply efficiency up to 87%.

Family concept

Reduced test and evaluation costs for the existing PC infrastructure.

- Uniform technology platform and bitimage for the 5730 series from Fujitsu



Components

Processor	Intel® Core™2 Duo processor E8600 (3.33 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E8500 (3.16 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E8400 (3.0 GHz, 6 MB, 1333 MHz)
	Intel® Core™2 Duo processor E7600 (3.06 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo processor E7500 (2.93 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo processor E7400 (2.8 GHz, 3 MB, 1066 MHz)
	Intel® Pentium® processor E6300 (2.8 GHz, 2 MB, 1066 MHz)
	Intel® Pentium® processor E5400 (2.7 GHz, 2 MB, 800 MHz)
	Intel® Pentium® processor E5300 (2.6 GHz, 2 MB, 800 MHz)
	Intel® Pentium® processor E5200 (2.5 GHz, 2 MB, 800 MHz)
	Intel® Celeron® processor E3200 (2.4 GHz, 1 MB, 800 MHz)
	Intel® Celeron® processor E1500 (2.2 GHz, 512 KB, 800 MHz)
Memory modules	4 GB (1 module(s) with 4 GB) DDR2, 800 MHz, PC2-6400, DIMM
	2 GB (1 module(s) with 2 GB) DDR2, 800 MHz, PC2-6400, DIMM
	1 GB (1 module(s) with 1 GB) DDR2, 800 MHz, PC2-6400, DIMM
Hard disk drives (internal)	SSD SATA, 128 GB, 2.5-inch
	SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical
	SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T.
	SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.
	CF module IDE, 512 MB, empty
	CF module IDE, 4 GB, empty
	CF module IDE, 1 GB, empty
Hard disk notes	Supporting NCQ and 3 GBit
	CF Modules for thin client usage (with or without embedded software)
Modular bay options	DVD Super Multi
	DVD Super Multi Slot-in slim
Interface add on cards/components (optional)	
	Parallel Interface
	eSATA Interface
	Dual serial card PCI LP
Base unit	ESPRIMO C5730 E-Star5
Mainboard	
Mainboard type	D2804
Formfactor	proprietary
Chipset	Intel® Q43
Processor socket	LGA 775
Processor quantity maximum	1
System bus (FSB / HT / QPI)	up to 1333 MHz
Memory slots	4 DIMM (DDR2)
Supported capacity RAM (max.)	16 GB
Memory frequency	800 MHz
Memory notes	With future modules.
	Dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).
LAN	10/100/1000 MBit/s Intel® 82567LF
BIOS version	Phoenix 6.0
BIOS features	BIOS Flash EPROM update by software Recovery BIOS

Mainboard

Audio codec	Realtek ALC663
Audio features	Internal speaker supports audio playback, High Definition audio

I/O controller on board

Serial ATA total	3
thereof eSATA	1 (optional)
Controller functions	Serial ATA II NCQ and 3 GBit AHCI

Interfaces

Audio: line-in	1
Audio: line-out	1
Front audio: headphone	1
Front audio: microphone	1
USB 2.0 total	10
USB front	3
USB rear	6
USB internal	1
VGA	1
DVI	1x DVI-D
Serial (RS-232)	2 (powered, 9pi, 16 byte FIFO, 16550 compatible)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
Parallel	optional (25pin with EPP and ECP)

Input device / components

Optical USB tilt wheel mouse
Optional: Optical USB/PS2 tilt wheel mouse

Drive bays

Drive bays total	2
3.5-inch internal bays	1
5.25-inch external bays	1
Drive bay notes	slim optical disc drive

Slots

PCI (32-bit / 33 MHz)	1 x (174 mm) low profile
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Graphic on board

Graphics brand name	Intel® GMA 4500
Shared video memory	up to 256 MB
Refresh rate 1024 x 768 (recommended / max.)	85 Hz / -
Refresh rate 1280 x 1024 (recommended / max.)	85 Hz / -
Refresh rate 1600 x 1200 (recommended / max.)	85 Hz / -
TFT resolution (VGA)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
Graphic notes	Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size Resolution (color depth up to 32 Bit/pixel) For TFT we recommend to use 60Hz.

Electrical values

Power efficiency note	power supply efficiency (at 230V; 20% / 50% / 100% load) : 82% / 87% / 87%
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Electrical values

	0-Watt mode with hard-off switch
Rated voltage range	100 - 240 V
Rated frequency range	50 - 60 Hz
Operating voltage range	90 - 264 V
Operating line frequency range	47 - 63 Hz
Max. output of power supply	218 W
Power factor correction/active power	active
Monitor outlet	No

Power consumption

Power consumption note	see white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=5d0d0c1c-430c-4f21-a425-231d86d444cf

Heat dissipation

Heat dissipation notes	see white paper Energy Consumption
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Noise for standard configuration (HDD, ODD, FDD)

Noise emission	According to ISO9296
Related Processors for noise	Intel® Core™2 Duo E8600
Noise Operation mode 1: ODD load (Blue angel requirement)	4.6 B / 32 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3.8 B / 23 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.2 B / 27 dB(A)
Noise Operation mode 4: High load	4.2 B / 27 dB(A)
Noise Operation mode 5: Office applications	3.8 B / 22 dB(A)
Idle mode (Blue Angel requirement)	3.7 B / 22 dB(A)
Noise notes / description	A weighted sound power level L _{wad} (in B) / workplace related A-weighted sound pressure level L _{pAm} (in dB(A)), Bystander position

Dimensions / Weight / Environmental

Dimension (W x D x H)	264 x 299 x 88 mm
Operating position	Vertical / horizontal (no feet needed)
Weight	approx. 9 kg
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	15 - 35°C

Compliance

Product	ESPRIMO C5730
Model	USD-D2804
Germany	Blauer Engel / Blue Angel in progress GS optional
Europe	CE Nordic Swan EN 60601-1-2
USA/Canada	FCC Class B CSA
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 5.0 EPEAT® Silver
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Operating system

Operating system optional preinstalled	Microsoft® Windows Vista® Home Basic Microsoft® Windows Vista® Home Premium Microsoft® Windows Vista® Business 32bit Microsoft® Windows Vista® Business 64bit TwinLoad Microsoft® Windows® XP Professional (DVD)
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Operating system compatible	Linux
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Additional Software

Additional software (preinstalled)	Nero Essentials (burning software)
Additional software (optional)	Recovery DVD (Windows® XP / Windows Vista®) Drivers & Utilities DVD (DUDVD) Windows Vista® Drivers & Utilities DVD (DUDVD) Windows® XP

Compatibility (references)

DMI 2.0
PC 2001
WMI 1.5
USB 2.0

Manageability

Manageability features	ASF 2.0 (Alert Standard Format) DeskUpdate Driver management DeskView Migrate (optional) DeskView Control (optional) PXE 2.1 Boot code BootP Boot Code including Bootmanage Administrator Software (tested) Wake up from S5 (off mode) Intrusion switch (optional) Intel® Standard Manageability
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Manageability type	DeskView 10.x client management including:
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DeskView features	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Advanced alerts (ASF implementation) Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
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Manageability link	http://ts.fujitsu.com/manageability http://www.altiris.com/fujitsu
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Security

Physical security	Kensington Lock support Eye for padlock Optional: Integrated cabinet lock
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System security	Boot sector virus protection Write protect option for the Flash EPROM Embedded security (TPM 1.2) - Infineon Control of all USB interfaces External USB ports can be disabled separately Boot protection for floppy disk / CD drive and write protection for floppy disk drive Control of external interfaces
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User security	User and supervisor BIOS password SystemLock 2 BIOS SmartCard Security Hard disk password Optional: Access protection via external SmartCard reader Optional: Access protection via internal SmartCard reader
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Serviceability

EasyFix
EasyChange for HDD

Packaging information

Packaging dimension	398x300x520 mm
Max. quantity / pallet	32
Material - Weight (g) Carton	880 g

Packaging information

Material - Weight (g) EPS / PS	250 g
Material - Weight (g) PE	appr. 60 g
Packaging notes	printed user documentation is bleached in chlorine free process

Warranty**Maintenance and Support Services - the perfect extension**

Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:

<http://ts.fujitsu.com/aboutus>

Take back and Recycling information:

<http://ts.fujitsu.com/recycling>

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